

=> s neural stem cell#  
L1 4431 NEURAL STEM CELL#

=> s 11 (120A) collagenase  
L2 13 L1 (120A) COLLAGENASE

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DUPLICATE PREFERENCE IS 'USPATFULL, PCTFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L2  
L3 13 DUPLICATE REMOVE L2 (0 DUPLICATES REMOVED)

=> d 1-13

L3 ANSWER 1 OF 13 USPATFULL on STN  
AN 2004:7068 USPATFULL  
TI Identification and high-yield isolation of human pancreatic islet progenitor and stem cells  
IN Goldman, Steven A., South Salem, NY, UNITED STATES  
Keyoung, Hansoo Michael, New York, NY, UNITED STATES  
PI US 2004005301 A1 20040108  
AI US 2003-364029 A1 20030210 (10)  
PRAI US 2002-356556P 20020212 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1284  
INCL INCLM: 424/093.210  
INCLS: 435/366.000; 435/004.000  
NCL NCLM: 424/093.210  
NCLS: 435/366.000; 435/004.000  
IC [7]  
ICM: A61K048-00  
ICS: C12Q001-00; C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 13 USPATFULL on STN  
AN 2003:312300 USPATFULL  
TI Novel mammalian multipotent stem cells and compositions, methods of preparation and methods of administration thereof  
IN Sugaya, Kiminobu, Willow Springs, IL, UNITED STATES  
Qu, Tingyu, Chicago, IL, UNITED STATES  
Vaghani, Ankur V., Chicago, IL, UNITED STATES  
Brannen, Christopher, Vancouver, WA, UNITED STATES  
Kim, Hojoong M., Chicago, IL, UNITED STATES  
Pulido, Jose S., Brookfield, WI, UNITED STATES  
Dong, Xiajing, Oak Park, IL, UNITED STATES  
PI US 2003219898 A1 20031127  
AI US 2003-345126 A1 20030114 (10)  
PRAI US 2002-348473P 20020114 (60)  
US 2002-357783P 20020219 (60)  
US 2002-376257P 20020429 (60)  
US 2002-381138P 20020508 (60)  
US 2002-404361P 20020819 (60)  
US 2002-430381P 20021202 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3255  
INCL INCLM: 435/455.000  
INCLS: 435/366.000  
NCL NCLM: 435/455.000  
NCLS: 435/366.000  
IC [7]  
ICM: C12N005-08  
ICS: C12N015-85  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 13 USPATFULL on STN  
AN 2003:145879 USPATFULL  
TI Isolation and enrichment of neural stem cells from uncultured tissue  
based on cell-surface marker expression  
IN Anderson, David J., Altadena, CA, UNITED STATES  
Morrison, Sean, Pasadena, CA, UNITED STATES  
PA California Institute of Technology, Pasadena, CA, 91205 (U.S.  
corporation)  
PI US 2003099623 A1 20030529  
AI US 2002-279568 A1 20021024 (10)  
RLI Continuation of Ser. No. US 1999-263359, filed on 5 Mar 1999, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 1523  
INCL INCLM: 424/093.210  
INCLS: 435/368.000  
NCL NCLM: 424/093.210  
NCLS: 435/368.000  
IC [7]  
ICM: A61K048-00  
ICS: C12N005-08

L3 ANSWER 4 OF 13 USPATFULL on STN  
AN 2003:134091 USPATFULL  
TI Ependymal neural stem cells and method for their isolation  
IN Janson, Ann Marie, Stockholm, SWEDEN  
Frisen, Jonas, Stockholm, SWEDEN  
Johansson, Clas, Stockholm, SWEDEN  
Momma, Stefan, Spinga, SWEDEN  
Clarke, Diana, Cambridge, MA, UNITED STATES  
Zhao, Ming, Solna, SWEDEN  
Lendahl, Urban, Stockholm, SWEDEN  
Delfani, Kioumars, Solna, SWEDEN  
PA NeuroNova AB  
PI US 2003092176 A1 20030515  
AI US 2002-183728 A1 20020627 (10)  
RLI Continuation of Ser. No. US 2001-719001, filed on 12 Jul 2001, ABANDONED  
A 371 of International Ser. No. WO 1999-SE1157, filed on 24 Jun 1999,  
UNKNOWN  
PRAI SE 1998-2264 19980625  
DT Utility  
FS APPLICATION  
LN.CNT 1758  
INCL INCLM: 435/368.000  
NCL NCLM: 435/368.000  
IC [7]  
ICM: C12N005-08

L3 ANSWER 5 OF 13 USPATFULL on STN  
AN 2003:3537 USPATFULL  
TI ISOLATION AND ENRICHMENT OF NEURAL STEM CELLS FROM UNCULTURED TISSUE  
BASED ON CELL-SURFACE MARKER EXPRESSION  
IN ANDERSON, DAVID J., ALTADENA, CA, UNITED STATES  
MORRISON, SEAN, PASADENA, CA, UNITED STATES  
PI US 2003003572 A1 20030102  
AI US 1999-263359 A1 19990305 (9)  
DT Utility  
FS APPLICATION  
LN.CNT 1594  
INCL INCLM: 435/325.000  
INCLS: 435/368.000; 435/377.000; 435/378.000; 435/383.000; 435/395.000;  
424/093.210  
NCL NCLM: 435/325.000  
NCLS: 435/368.000; 435/377.000; 435/378.000; 435/383.000; 435/395.000;  
424/093.210  
IC [7]  
ICM: A61K048-00  
ICS: C12N005-08

L3 ANSWER 6 OF 13 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2003068357 PCTFULL ED 20030903 EW 200334  
TIEN IDENTIFICATION AND HIGH-YIELD ISOLATION OF HUMAN PANCREATIC ISLET  
PROGENITOR AND STEM CELLS  
TIFR IDENTIFICATION ET ISOLATION A RENDEMENT ELEVE DE PROGENITEURS ET DE  
CELLULES SOUCHES D'ILOT PANCREATIQUE HUMAIN  
IN GOLDMAN, Steven, A., 7 Hillcrest Court, South Salem, NY 10590, US;  
KEYOUNG, Hansoo, Michael, 420 E. 70th Street, New York, NY 10021, US  
PA CORNELL RESEARCH FOUNDATION, INC., 20 Thornwood Drive, Suite 105,  
Ithaca, NY 14580, US [US, US]  
AG GOLDMAN, Michael, L., Nixon Peabody LLP, Clinton Square, P.O. Box 31051,  
Rochester, NY 14603-1051, US

LAF English

LA English

DT Patent

PI WO 2003068357

A2 20030821

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM  
TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC  
NL PT SE SI SK TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2003-US4026

A 20030210

PRAI 2002-60/356,556

20020212

US 2002-60/356,556

20020212

ICM B01D

L3 ANSWER 7 OF 13 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2003059276 PCTFULL ED 20030731 EW 200330  
TIEN NOVEL MAMMALIAN MULTIPOTENT STEM CELLS AND COMPOSITIONS, METHODS OF  
PREPARATION AND METHODS OF ADMINISTRATION THEREOF  
TIFR NOUVELLES CELLULES SOUCHES MULTIPOTENTES D'ORIGINE MAMMALIENNE, METHODES  
DE PREPARATION ET METHODES D'ADMINISTRATION DESDITES CELLULES  
IN SUGAYA, Kiminobu, 11027 84th Place, Willow Springs, IL 60480, US [JP,  
US];  
QU, Tingyu, 2546 West Superior Street, 2nd Floor, Chicago, IL 60606, US  
[CN, US]  
PA THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, 352 Henry  
Administration Building, 506 South Wright Street, Urbana, IL 61801, US  
[US, US], for all designates States except US;  
SUGAYA, Kiminobu, 11027 84th Place, Willow Springs, IL 60480, US [JP,  
US], for US only;  
QU, Tingyu, 2546 West Superior Street, 2nd Floor, Chicago, IL 60606, US  
[CN, US], for US only  
AG NOONAN, Kevin, E., McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300  
South Wacker Drive, Chicago, IL 60606, US

LAF English

LA English

DT Patent

PI WO 2003059276

A2 20030724

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM  
TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC  
NL PT SE SI SK TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2003-US1258

A 20030114

PRAI 2002-60/348,473

20020114

US 2002-60/348,473

20020114

US 2002-60/357,783 20020219  
 US 2002-60/357,783 20020219  
 US 2002-60/376,257 20020429  
 US 2002-60/376,257 20020429  
 US 2002-60/381,138 20020508  
 US 2002-60/381,138 20020508  
 US 2002-60/404,361 20020819  
 US 2002-60/404,361 20020819  
 US 2002-60/430,381 20021202  
 US 2002-60/430,381 20021202  
 ICM A61K

L3 ANSWER 8 OF 13 PCTFULL COPYRIGHT 2005 Univentio on STN  
 AN 2003029402 PCTFULL ED 20030416 EW 200315  
 TIEN UNIQUE PROPERTIES OF STEM CELLS  
 TIFR PROPRIETES UNIQUES DE CELLULES SOUCHES  
 IN SHERLEY, James, L., 39 Sheridan Street, Boston, MA 02130, US [US, US];  
 MEROK, Joshua, R., 74 Dane Street, #3, Somerville, MA 02143, US [US, US]  
 PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Boston,  
 MA 02139, US [US, US], for all designates States except US;  
 SHERLEY, James, L., 39 Sheridan Street, Boston, MA 02130, US [US, US],  
 for US only;  
 MEROK, Joshua, R., 74 Dane Street, #3, Somerville, MA 02143, US [US,  
 US], for US only  
 AG EISENSTEIN, Ronald, I., Nixon Peabody LLP, 101 Federal Street, Boston,  
 MA 02110, US  
 LAF English  
 LA English  
 DT Patent  
 PI WO 2003029402 A2 20030410  
 DS W: CA JP US  
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL  
 PT SE SK TR  
 AI WO 2002-US22573 A 20020717  
 PRAI 2001-60/306,072 20010717  
 US 2001-60/306,072 20010717  
 ICM C12N

L3 ANSWER 9 OF 13 USPATFULL on STN  
 AN 2001:237692 USPATFULL  
 TI Use of **collagenase** in the preparation of **neural  
 stem cell** cultures  
 IN Uchida, Nobuko, Palo Alto, CA, United States  
 PI US 2001055808 A1 20011227  
 AI US 2001-867330 A1 20010529 (9)  
 RLI Continuation of Ser. No. US 1999-258529, filed on 26 Feb 1999, UNKNOWN  
 DT Utility  
 FS APPLICATION  
 LN.CNT 718  
 INCL INCLM: 435/368.000  
 NCL NCLM: 435/368.000  
 IC [7]  
 ICM: C12N005-08  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 10 OF 13 USPATFULL on STN  
 AN 2001:78948 USPATFULL  
 TI Use of **collagenase** in the preparation of **neural  
 stem cell** cultures  
 IN Uchida, Nobuko, Palo Alto, CA, United States  
 PA StemCells, Inc., Sunnyvale, CA, United States (U.S. corporation)  
 PI US 6238922 B1 20010529  
 AI US 1999-258529 19990226 (9)  
 DT Utility  
 FS Granted  
 LN.CNT 701  
 INCL INCLM: 435/380.000  
 INCLS: 435/381.000; 435/378.000; 435/368.000

NCL NCLM: 435/380.000  
NCLS: 435/368.000; 435/378.000; 435/381.000  
IC [7]  
ICM: C12N005-02  
EXF 435/368; 435/378; 435/380; 435/381  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 11 OF 13 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000052143 PCTFULL ED 20020515  
TIEN THE ISOLATION AND ENRICHMENT OF NEURAL STEM CELLS FROM UNCULTURED TISSUE  
BASED ON CELL-SURFACE MARKER EXPRESSION  
TIFR ISOLATION ET ENRICHISSEMENT DE CELLULES NEURALES SOUCHES PROVENANT D'UN  
TISSU NON CULTIVE SUR LA BASE DE L'EXPRESSION DE MARQUEURS DE SURFACE  
CELLULAIRE  
IN ANDERSON, David, J.;  
MORRISON, Sean  
PA CALIFORNIA INSTITUTE OF TECHNOLOGY;  
ANDERSON, David, J.;  
MORRISON, Sean  
LA English  
DT Patent  
PI WO 2000052143 A2 20000908  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
AI WO 2000-US5840 A 20000303  
PRAI 1999-09/263,359 19990305  
US 1999-09/263,359 19990305  
ICM C12N005-02  
ICS C12N005-06; C12N005-08

L3 ANSWER 12 OF 13 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000050572 PCTFULL ED 20020515  
TIEN USE OF **COLLAGENASE** IN THE PREPARATION OF **NEURAL**  
**STEM CELL** CULTURES  
TIFR UTILISATION DE COLLAGENASE DANS LA PREPARATION DE CULTURES DE CELLULES  
EMBRYONNAIRES NEURONALES  
IN UCHIDA, Nobuko  
PA CYTOTHERAPEUTICS, INC.;  
UCHIDA, Nobuko  
LA English  
DT Patent  
PI WO 2000050572 A1 20000831  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
AI WO 2000-US5402 A 20000225  
PRAI 1999-09/258,529 19990226  
US 1999-09/258,529 19990226  
ICM C12N005-08

L3 ANSWER 13 OF 13 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1999067363 PCTFULL ED 20020515  
TIEN EPENDYMAL NEURAL STEM CELLS AND METHOD FOR THEIR ISOLATION  
TIFR CELLULES EMBRYONNAIRES NEURONALES EPENDYMAIRES ET METHODE SERVANT A  
ISOLER CELLES-CI  
IN JANSON, Ann, Marie;  
FRISEN, Jonas;  
JOHANSSON, Clas;  
MOMMA, Stefan;

	CLARKE, Diana;	
	ZHAO, Ming;	
	LEND AHL, Urban;	
	DELFANI, Kioumars	
PA	NEURONOVA AB;	
	JANSON, Ann, Marie;	
	FRISEN, Jonas;	
	JOHANSSON, Clas;	
	MOMMA, Stefan;	
	CLARKE, Diana;	
	ZHAO, Ming;	
	LEND AHL, Urban;	
	DELFANI, Kioumars	
LA	English	
DT	Patent	
PI	WO 9967363	A1 19991229
DS	W:	AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI	WO 1999-SE1157	A 19990624
PRAI	1998-9802264-3	19980625
	SE 1998-9802264-3	19980625
ICM	C12N005-06	
ICS	A61K035-30	

2005

L1 4431 S NEURAL STEM CELL#  
L2 13 S L1 (120A) COLLAGENASE

=> s stem cell# (4a) neural  
L3 5635 STEM CELL# (4A) NEURAL

=> s 13 (120A) collagenase  
L4 19 L3 (120A) COLLAGENASE

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DUPLICATE PREFERENCE IS 'USPATFULL, PCTFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L4  
L5 19 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)

=> d 1-19

L5 ANSWER 1 OF 19 USPATFULL on STN  
AN 2004:7068 USPATFULL  
TI Identification and high-yield isolation of human pancreatic islet progenitor and stem cells  
IN Goldman, Steven A., South Salem, NY, UNITED STATES  
Keyoung, Hansoo Michael, New York, NY, UNITED STATES  
PI US 2004005301 A1 20040108  
AI US 2003-364029 A1 20030210 (10)  
PRAI US 2002-356556P 20020212 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1284  
INCL INCLM: 424/093.210  
INCLS: 435/366.000; 435/004.000  
NCL NCLM: 424/093.210  
NCLS: 435/366.000; 435/004.000  
IC [7]  
ICM: A61K048-00  
ICS: C12Q001-00; C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 19 USPATFULL on STN  
AN 2004:329779 USPATFULL  
TI PNS cell lines and methods of use therefor  
IN Sah, Dinah W. Y., La Jolla, CA, United States  
Raymon, Heather K., La Jolla, CA, United States  
PA Signal Pharmaceuticals, Inc., San Diego, CA, United States (U.S. corporation)  
PI US 6835567 B1 20041228  
AI US 1998-60409 19980414 (9)  
DT Utility  
FS GRANTED  
LN.CNT 1748  
INCL INCLM: 435/377.000  
INCLS: 435/004.000; 435/325.000; 435/353.000; 435/366.000; 435/368.000;  
435/455.000  
NCL NCLM: 435/377.000  
NCLS: 435/004.000; 435/325.000; 435/353.000; 435/366.000; 435/368.000;  
435/455.000  
IC [7]  
ICM: C12N005-00  
ICS: C12N005-02; C12N005-08; C12N015-63; C12Q001-00  
EXF 435/325; 435/353; 435/366; 435/368; 435/377; 435/383; 435/455  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 19 USPATFULL on STN  
AN 2004:168003 USPATFULL  
TI Low oxygen culturing of neural crest stem cells and methods of use  
IN Csete, Marie, S. Pasadena, CA, United States

Morrison, Sean J., Ann Arbor, MI, United States  
Wold, Barbara, San Marino, CA, United States  
Anderson, David J., Altadena, CA, United States  
PA California Institute of Technology, Pasadena, CA, United States (U.S.  
corporation)  
PI US 6759242 B1 20040706  
AI US 1999-425624 19991022 (9)  
RLI Continuation-in-part of Ser. No. US 1998-195569, filed on 18 Nov 1998,  
now patented, Pat. No. US 6184035  
DT Utility  
FS GRANTED  
LN.CNT 1253  
INCL INCLM: 435/368.000  
INCLS: 435/375.000; 435/377.000; 435/383.000  
NCL NCLM: 435/368.000  
NCLS: 435/375.000; 435/377.000; 435/383.000  
IC [7]  
ICM: C12N005-00  
ICS: C12N005-06; C12N005-08  
EXF 435/375; 435/368; 435/377; 435/383  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 19 USPATFULL on STN  
AN 2003:312300 USPATFULL  
TI Novel mammalian multipotent stem cells and compositions, methods of  
preparation and methods of administration thereof  
IN Sugaya, Kiminobu, Willow Springs, IL, UNITED STATES  
Qu, Tingyu, Chicago, IL, UNITED STATES  
Vaghani, Ankur V., Chicago, IL, UNITED STATES  
Brannen, Christopher, Vancouver, WA, UNITED STATES  
Kim, Hojoong M., Chicago, IL, UNITED STATES  
Pulido, Jose S., Brookfield, WI, UNITED STATES  
Dong, Xiajing, Oak Park, IL, UNITED STATES  
PI US 2003219898 A1 20031127  
AI US 2003-345126 A1 20030114 (10)  
PRAI US 2002-348473P 20020114 (60)  
US 2002-357783P 20020219 (60)  
US 2002-376257P 20020429 (60)  
US 2002-381138P 20020508 (60)  
US 2002-404361P 20020819 (60)  
US 2002-430381P 20021202 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3255  
INCL INCLM: 435/455.000  
INCLS: 435/366.000  
NCL NCLM: 435/455.000  
NCLS: 435/366.000  
IC [7]  
ICM: C12N005-08  
ICS: C12N015-85  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 19 USPATFULL on STN  
AN 2003:145879 USPATFULL  
TI Isolation and enrichment of neural stem cells from uncultured tissue  
based on cell-surface marker expression  
IN Anderson, David J., Altadena, CA, UNITED STATES  
Morrison, Sean, Pasadena, CA, UNITED STATES  
PA California Institute of Technology, Pasadena, CA, 91205 (U.S.  
corporation)  
PI US 2003099623 A1 20030529  
AI US 2002-279568 A1 20021024 (10)  
RLI Continuation of Ser. No. US 1999-263359, filed on 5 Mar 1999, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 1523  
INCL INCLM: 424/093.210



INCLS: 435/368.000  
 NCL NCLM: 424/093.210  
 NCLS: 435/368.000  
 IC [7]  
 ICM: A61K048-00  
 ICS: C12N005-08

L5 ANSWER 6 OF 19 USPATFULL on STN  
 AN 2003:134091 USPATFULL  
 TI Ependymal neural stem cells and method for their isolation  
 IN Janson, Ann Marie, Stockholm, SWEDEN  
 Frisen, Jonas, Stockholm, SWEDEN  
 Johansson, Clas, Stockholm, SWEDEN  
 Momma, Stefan, Spinga, SWEDEN  
 Clarke, Diana, Cambridge, MA, UNITED STATES  
 Zhao, Ming, Solna, SWEDEN  
 Lendahl, Urban, Stockholm, SWEDEN  
 Delfani, Kioumars, Solna, SWEDEN  
 PA NeuroNova AB  
 PI US 2003092176 A1 20030515  
 AI US 2002-183728 A1 20020627 (10)  
 RLI Continuation of Ser. No. US 2001-719001, filed on 12 Jul 2001, ABANDONED  
 A 371 of International Ser. No. WO 1999-SE1157, filed on 24 Jun 1999,  
 UNKNOWN  
 PRAI SE 1998-2264 19980625  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1758  
 INCL INCLM: 435/368.000  
 NCL NCLM: 435/368.000  
 IC [7]  
 ICM: C12N005-08

L5 ANSWER 7 OF 19 USPATFULL on STN  
 AN 2003:3537 USPATFULL  
 TI ISOLATION AND ENRICHMENT OF NEURAL STEM CELLS FROM UNCULTURED TISSUE  
 BASED ON CELL-SURFACE MARKER EXPRESSION  
 IN ANDERSON, DAVID J., ALTADENA, CA, UNITED STATES  
 MORRISON, SEAN, PASADENA, CA, UNITED STATES  
 PI US 2003003572 A1 20030102  
 AI US 1999-263359 A1 19990305 (9)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1594  
 INCL INCLM: 435/325.000  
 INCLS: 435/368.000; 435/377.000; 435/378.000; 435/383.000; 435/395.000;  
 424/093.210  
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 NCLS: 435/368.000; 435/377.000; 435/378.000; 435/383.000; 435/395.000;  
 424/093.210  
 IC [7]  
 ICM: A61K048-00  
 ICS: C12N005-08

L5 ANSWER 8 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
 AN 2003068357 PCTFULL ED 20030903 EW 200334  
 TIEN IDENTIFICATION AND HIGH-YIELD ISOLATION OF HUMAN PANCREATIC ISLET  
 PROGENITOR AND STEM CELLS  
 TIFR IDENTIFICATION ET ISOLATION A RENDEMENT ELEVE DE PROGENITEURS ET DE  
 CELLULES SOUCHES D'ILOT PANCREATIQUE HUMAIN  
 IN GOLDMAN, Steven, A., 7 Hillcrest Court, South Salem, NY 10590, US;  
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 LAF English  
 LA English

DT Patent  
PI WO 2003068357 A2 20030821  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM  
TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC  
NL PT SE SI SK TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2003-US4026 A 20030210  
PRAI 2002-60/356,556 20020212  
US 2002-60/356,556 20020212  
ICM B01D

L5 ANSWER 9 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2003059276 PCTFULL ED 20030731 EW 200330  
TIEN NOVEL MAMMALIAN MULTIPOTENT STEM CELLS AND COMPOSITIONS, METHODS OF  
PREPARATION AND METHODS OF ADMINISTRATION THEREOF  
TIFR NOUVELLES CELLULES SOUCHES MULTIPOTENTES D'ORIGINE MAMMALIENNE, METHODES  
DE PREPARATION ET METHODES D'ADMINISTRATION DESDITES CELLULES  
IN SUGAYA, Kiminobu, 11027 84th Place, Willow Springs, IL 60480, US [JP,  
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[CN, US]  
PA THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, 352 Henry  
Administration Building, 506 South Wright Street, Urbana, IL 61801, US  
[US, US], for all designates States except US;  
SUGAYA, Kiminobu, 11027 84th Place, Willow Springs, IL 60480, US [JP,  
US], for US only;  
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[CN, US], for US only  
AG NOONAN, Kevin, E., McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300  
South Wacker Drive, Chicago, IL 60606, US  
LAF English  
LA English  
DT Patent  
PI WO 2003059276 A2 20030724  
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN  
MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM  
TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC  
NL PT SE SI SK TR  
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2003-US1258 A 20030114  
PRAI 2002-60/348,473 20020114  
US 2002-60/348,473 20020114  
US 2002-60/357,783 20020219  
US 2002-60/357,783 20020219  
US 2002-60/376,257 20020429  
US 2002-60/376,257 20020429  
US 2002-60/381,138 20020508  
US 2002-60/381,138 20020508  
US 2002-60/404,361 20020819  
US 2002-60/404,361 20020819  
US 2002-60/430,381 20021202  
US 2002-60/430,381 20021202  
ICM A61K

L5 ANSWER 10 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2003054202 PCTFULL ED 20030710 EW 200327  
TIEN GENERATION OF HUMAN NEURAL CREST STEM CELL LINE AND ITS UTILIZATION IN

HUMAN TRANSPLANTATION

TIFR GENERATION DE CELLULES SOUCHES DE CRETE NEURALE HUMAINE ET LEUR  
UTILISATION DANS LA TRANSPLANTATION HUMAINE

IN KIM, Seung, U., 4693 West 5th Avenue, Vancouver, British Columbia V6T  
2B5, CA;

PA SNYDER, Evan, Y., 22 Hillcraft Road, Jamaica Plain, MA 02130, US;  
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THE CHILDREN'S MEDICAL CENTER CORPORATION, Technology Transfer Office,  
300 Longwood Avenue, Boston, MA 02115, US [US, US];  
UNIVERSITY OF PENNSYLVANIA, Technology Center, 3700 Market Street,  
Philadelphia, PA 19104, US [US, US]

AG PRASHKER, David, David Prashker, P.C., 8 Chateau Heights, Magnolia, MA  
01930, US

LAF English

LA English

DT Patent

PI WO 2003054202 A1 20030703

DS W: AU CA JP  
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

AI WO 2001-US13354 A 20010425

PRAI 2000-09/565,339 20000505  
US 2000-09/565,339 20000505

ICM C12N015-85

ICS C12N015-86

L5 ANSWER 11 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN

AN 2003029402 PCTFULL ED 20030416 EW 200315

TIEN UNIQUE PROPERTIES OF STEM CELLS

TIFR PROPRIETES UNIQUES DE CELLULES SOUCHES

IN SHERLEY, James, L., 39 Sheridan Street, Boston, MA 02130, US [US, US];  
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PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Boston,  
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SHERLEY, James, L., 39 Sheridan Street, Boston, MA 02130, US [US, US],  
for US only;  
MEROK, Joshua, R., 74 Dane Street, #3, Somerville, MA 02143, US [US,  
US], for US only

AG EISENSTEIN, Ronald, I., Nixon Peabody LLP, 101 Federal Street, Boston,  
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LAF English

LA English

DT Patent

PI WO 2003029402 A2 20030410

DS W: CA JP US  
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL  
PT SE SK TR

AI WO 2002-US22573 A 20020717

PRAI 2001-60/306,072 20010717  
US 2001-60/306,072 20010717

ICM C12N

L5 ANSWER 12 OF 19 USPATFULL on STN

AN 2001:237692 USPATFULL

TI Use of **collagenase** in the preparation of **neural  
stem cell** cultures

IN Uchida, Nobuko, Palo Alto, CA, United States

PI US 2001055808 A1 20011227

AI US 2001-867330 A1 20010529 (9)

RLI Continuation of Ser. No. US 1999-258529, filed on 26 Feb 1999, UNKNOWN

DT Utility

FS APPLICATION

LN.CNT 718

INCL INCLM: 435/368.000

NCL NCLM: 435/368.000

IC [7]

ICM: C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 19 USPATFULL on STN  
AN 2001:78948 USPATFULL  
TI Use of **collagenase** in the preparation of **neural stem cell** cultures  
IN Uchida, Nobuko, Palo Alto, CA, United States  
PA StemCells, Inc., Sunnyvale, CA, United States (U.S. corporation)  
PI US 6238922 B1 20010529  
AI US 1999-258529 19990226 (9)  
DT Utility  
FS Granted  
LN.CNT 701  
INCL INCLM: 435/380.000  
INCLS: 435/381.000; 435/378.000; 435/368.000  
NCL NCLM: 435/380.000  
NCLS: 435/368.000; 435/378.000; 435/381.000  
IC [7]  
ICM: C12N005-02  
EXF 435/368; 435/378; 435/380; 435/381  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000052143 PCTFULL ED 20020515  
TIEN THE ISOLATION AND ENRICHMENT OF NEURAL STEM CELLS FROM UNCULTURED TISSUE  
BASED ON CELL-SURFACE MARKER EXPRESSION  
TIFR ISOLATION ET ENRICHISSEMENT DE CELLULES NEURALES SOUCHES PROVENANT D'UN  
TISSU NON CULTIVE SUR LA BASE DE L'EXPRESSION DE MARQUEURS DE SURFACE  
CELLULAIRE  
IN ANDERSON, David, J.;  
MORRISON, Sean  
PA CALIFORNIA INSTITUTE OF TECHNOLOGY;  
ANDERSON, David, J.;  
MORRISON, Sean  
LA English  
DT Patent  
PI WO 2000052143 A2 20000908  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
AI WO 2000-US5840 A 20000303  
PRAI 1999-09/263,359 19990305  
US 1999-09/263,359 19990305  
ICM C12N005-02  
ICS C12N005-06; C12N005-08

L5 ANSWER 15 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000050572 PCTFULL ED 20020515  
TIEN USE OF **COLLAGENASE** IN THE PREPARATION OF **NEURAL STEM CELL** CULTURES  
TIFR UTILISATION DE COLLAGENASE DANS LA PREPARATION DE CULTURES DE CELLULES  
EMBRYONNAIRES NEURONALES  
IN UCHIDA, Nobuko  
PA CYTOTHERAPEUTICS, INC.;  
UCHIDA, Nobuko  
LA English  
DT Patent  
PI WO 2000050572 A1 20000831  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ

MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 2000-US5402 A 20000225  
PRAI 1999-09/258,529 19990226  
US 1999-09/258,529 19990226  
ICM C12N005-08

L5 ANSWER 16 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 2000029549 PCTFULL ED 20020515  
TIEN LOW OXYGEN CULTURING OF CELLS  
TIFR CULTURE CELLULAIRE DANS DES CONDITIONS A FAIBLE TENEUR EN OXYGENE  
IN CESTE, Marie;

DOYLE, John;  
WOLD, Barbara, J.;  
MORRISON, Sean, J.;  
ANDERSON, David  
PA CALIFORNIA INSTITUTE OF TECHNOLOGY;  
CESTE, Marie;  
DOYLE, John;  
WOLD, Barbara, J.;  
MORRISON, Sean, J.;  
ANDERSON, David

LA English  
DT Patent

PI WO 2000029549 A2 20000525  
DS W: AU CA JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

AI WO 1999-US27532 A 19991118  
PRAI 1998-09/195,569 19981118  
US 1998-09/195,569 19981118  
US 1999-09/425,462 19991022  
US 1999-09/425,462 19991022

ICM C12N005-00  
ICS C12Q001-02; C12N005-10; A61K035-30; A61P025-00; A61P025-16

L5 ANSWER 17 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1999067363 PCTFULL ED 20020515  
TIEN EPENDYMAL NEURAL STEM CELLS AND METHOD FOR THEIR ISOLATION  
TIFR CELLULES EMBRYONNAIRES NEURONALES EPENDYMAIRES ET METHODE SERVANT A  
ISOLER CELLES-CI

IN JANSON, Ann, Marie;  
FRISEN, Jonas;  
JOHANSSON, Clas;  
MOMMA, Stefan;  
CLARKE, Diana;  
ZHAO, Ming;  
LEND AHL, Urban;  
DELFANI, Kioumars  
PA NEURONOVA AB;  
JANSON, Ann, Marie;  
FRISEN, Jonas;  
JOHANSSON, Clas;  
MOMMA, Stefan;  
CLARKE, Diana;  
ZHAO, Ming;  
LEND AHL, Urban;  
DELFANI, Kioumars

LA English  
DT Patent

PI WO 9967363 A1 19991229  
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH  
GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT  
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-SE1157 A 19990624

PRAI 1998-9802264-3 19980625  
SE 1998-9802264-3 19980625  
ICM C12N005-06  
ICS A61K035-30

L5 ANSWER 18 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1999053028 PCTFULL ED 20020515  
TIEN PNS CELL LINES AND METHODS OF USE THEREFOR  
TIFR LIGNEES DE CELLULES DU SNP ET LEUR METHODE D'UTILISATION  
IN SAH, Dinah, W., Y.;  
RAYMON, Heather, K.  
PA SIGNAL PHARMACEUTICALS, INC.  
LA English  
DT Patent  
PI WO 9953028 A1 19991021  
DS W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE  
LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-US8167 A 19990414  
PRAI 1998-09/060,409 19980414  
US 1998-09/060,409 19980414  
ICM C12N005-06  
ICS C12N005-10; C12N015-86; G01N033-50; A61K048-00; C12Q001-68

L5 ANSWER 19 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
AN 1994002593 PCTFULL ED 20020513  
TIEN MAMMALIAN MULTIPOTENT NEURAL STEM CELLS  
TIFR CELLULES SOUCHES NEURALES PLURIPOTENTES DE MAMMIFERE  
IN ANDERSON, David, J.;  
STEMPLE, Derek, L.  
PA CALIFORNIA INSTITUTE OF TECHNOLOGY;  
ANDERSON, David, J.;  
STEMPLE, Derek, L.  
LA English  
DT Patent  
PI WO 9402593 A1 19940203  
DS W: AU CA JP NZ US AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

AI WO 1993-US7000 A 19930726  
PRAI 1992-7/920,617 19920727  
US 1992-7/920,617 19920727  
US 1992-7/969,088 19921029  
US 1992-7/969,088 19921029  
ICM C12N005-06  
ICS C12N005:08; C12N005:10; C12P021:08; G01N033:569; G01N033:577

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L5 ANSWER 19 OF 19 PCTFULL COPYRIGHT 2005 Univentio on STN  
DETD In order to isolate the subject **neural crest stem cells**, it is necessary to separate the stem cell from other cells in the embryo, Initially, neural crest cells are obtained from mammalian embryos, For isolation of neural crest cells from mammalian embryos, the region containing the caudal-most 10 somites are dissected from early embryos (equivalent to gestational day 10. 5 day in the rat) . These trunk sections are transferred in a balanced salt solution to chilled depression slides, typically at 40C. and treated with **collagenase** in an appropriate buffer solution such as Howard's Ringer's solution. After the neural tubes are free of somites and notochords, they

are plated onto fibronectin (FN)-coated culture dishes to allow the neural crest cells to migrate from the neural tube. Twenty-four hours later, following removal of the tubes with a sharpened tungsten needle, the crest cells are removed from the FN-coated plate by treatment with a Trypsin solution, typically at 0,05%. The suspension of detached cells is then collected by centrifugation and plated at an appropriate density, -.

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